

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2005/000981

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06K9/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>WILLIS C J: "Hyperspectral image classification with limited training data samples using feature subspaces" PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING SPIE-INT. SOC. OPT. ENG USA, vol. 5425, no. 1, 2004, pages 170-181, XP002330102 ISSN: 0277-786X the whole document</p> <p>----- -/--</p>	1-4



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

1 June 2005

Date of mailing of the international search report

14/06/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ALKOOT F M ET AL: "Multiple expert system design by combined feature selection and probability level fusion" INFORMATION FUSION, 2000. FUSION 2000. PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON JULY 10-13, 2000, PISCATAWAY, NJ, USA, IEEE, vol. 2, 10 July 2000 (2000-07-10), pages 9-16, XP010505138 ISBN: 2-7257-0000-0	1,4
Y	page 9 - page 10	2,3
Y	----- WILLIS C J: "Classification of hyperspectral imagery using limited training data samples" PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING SPIE-INT. SOC. OPT. ENG USA, vol. 4885, 2003, pages 379-388, XP002330103 ISSN: 0277-786X cited in the application the whole document	2,3
A	----- JAIN A K ET AL: "STATISTICAL PATTERN RECOGNITION: A REVIEW" IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE, IEEE INC. NEW YORK, US, vol. 22, no. 1, January 2000 (2000-01), pages 4-37, XP000936788 ISSN: 0162-8828 page 11, left-hand column, line 2 - page 17, left-hand column, line 4 tables 4,5,7	
A	----- HO T K: "THE RANDOM SUBSPACE METHOD FOR CONSTRUCTING DECISION FORESTS" IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE, IEEE INC. NEW YORK, US, vol. 20, no. 8, August 1998 (1998-08), pages 832-844, XP000774454 ISSN: 0162-8828 abstract page 833, right-hand column, line 2 - page 834, left-hand column, line 4	